Replay Control

Applicants: Millard E. Sweatt, III, et al.

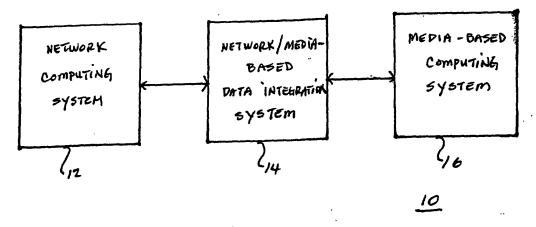
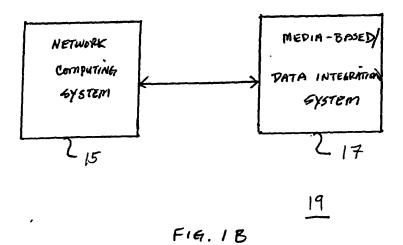
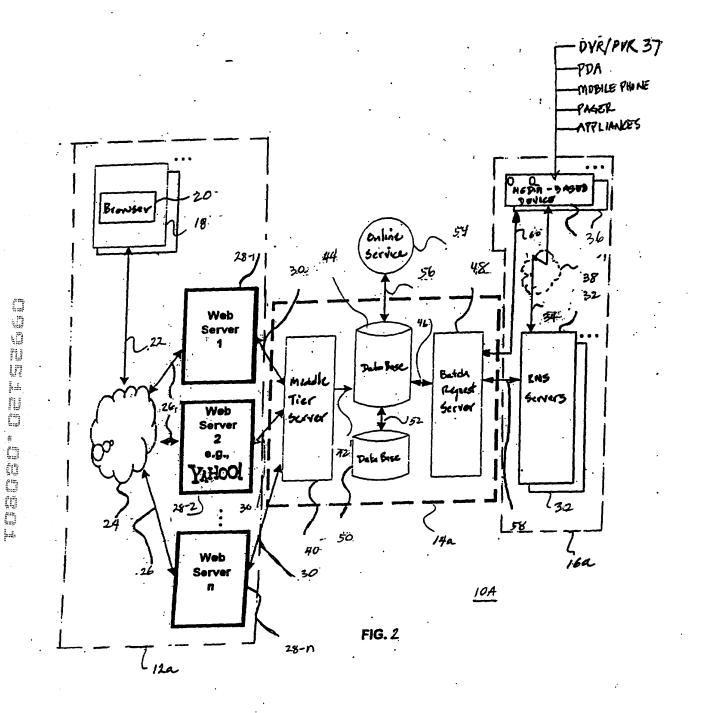


FIG. IA



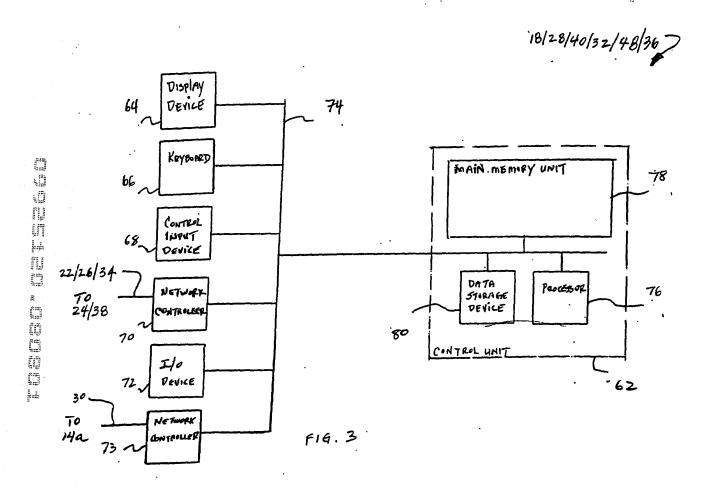
Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US



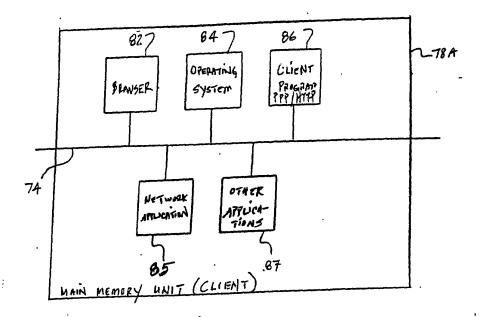
Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

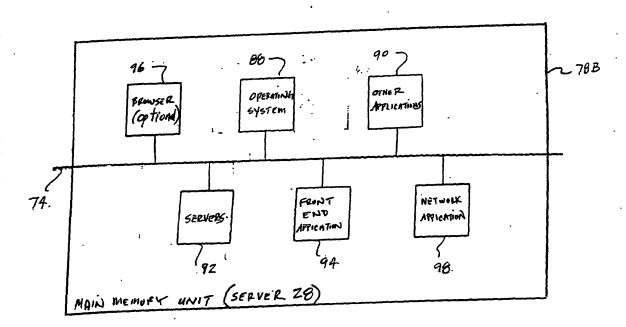


Replay Control

Applicants: Millard E. Sweatt, III, et al.



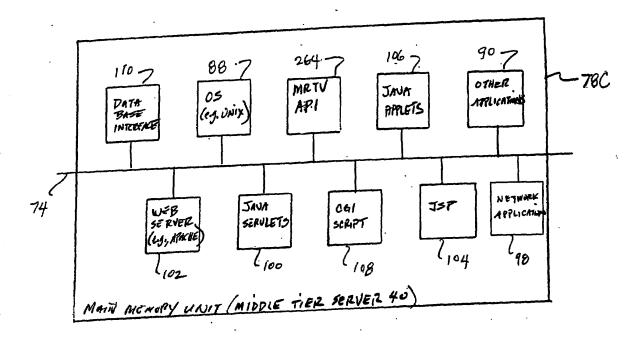
F14. 4A



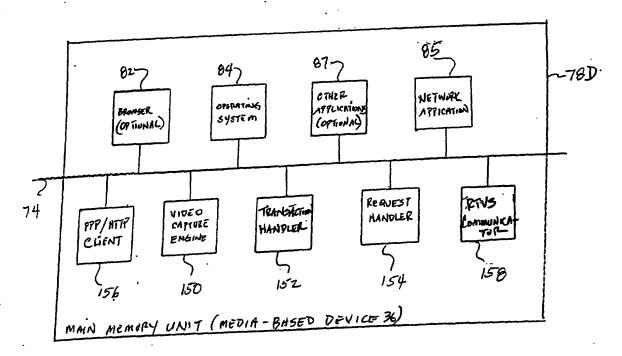
F16.4B

Replay Control

Applicants: Millard E. Sweatt, III, et al.



F16. 4C

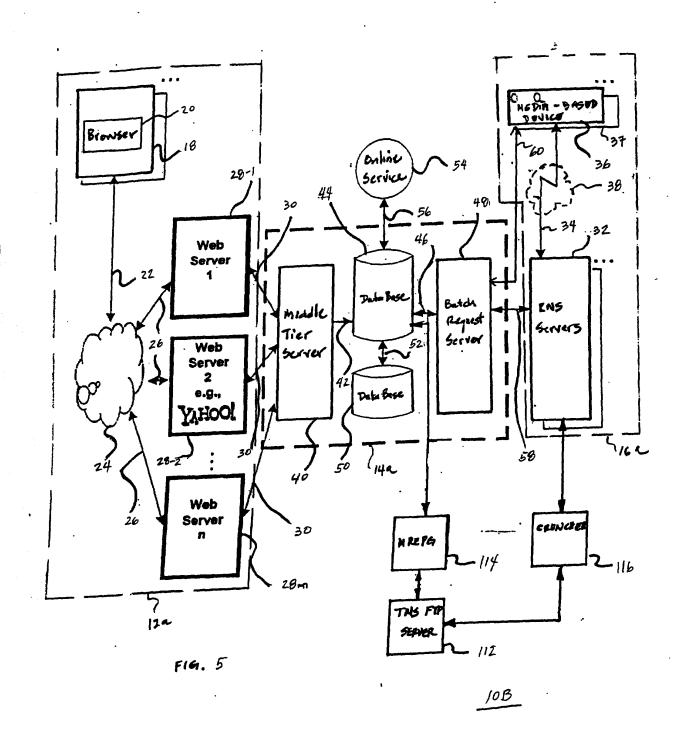


P16.4D

Title: Method and System for Remote Television

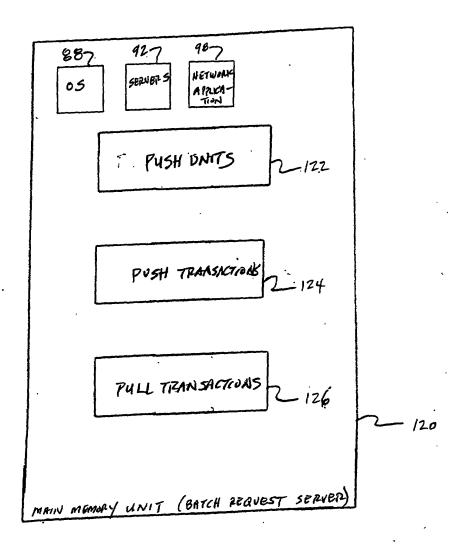
Replay Control

Applicants: Millard E. Sweatt, III, et al.



Replay Control

Applicants: Millard E. Sweatt, III, et al.



F161. 6

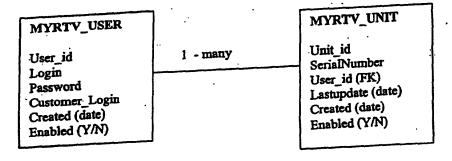
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Title: Method and System for Remote Television

Replay Control

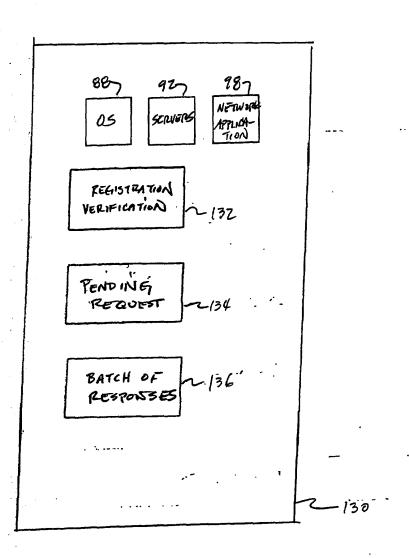
Applicants: Millard E. Sweatt, III, et al.



F16, 7

Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

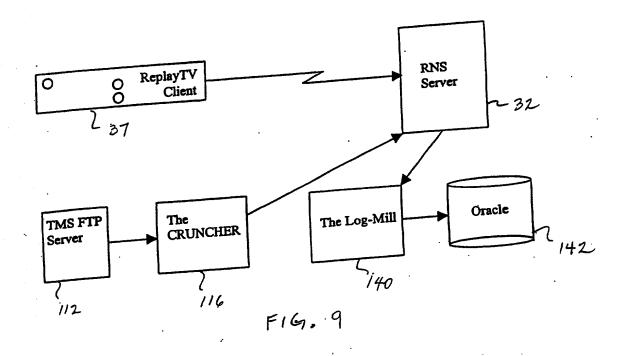


F16.8

Replay Control

Applicants: Millard E. Sweatt, III, et al.

Docket No.: 22407-05390 US

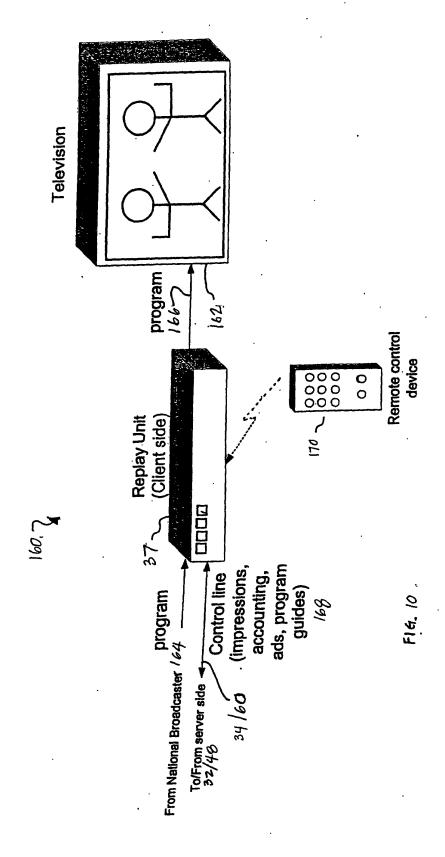


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Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US



Title: Method and System for Remote Television Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

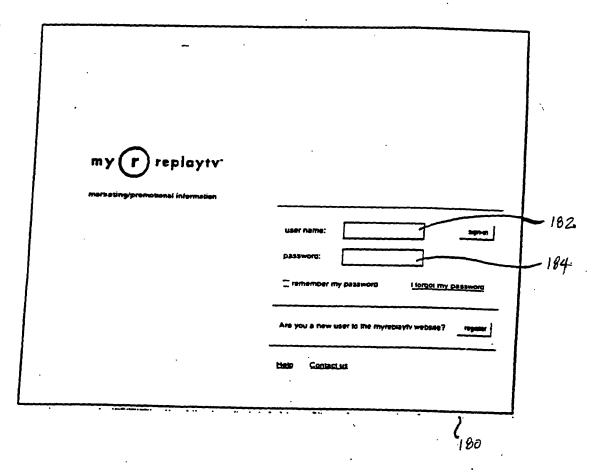
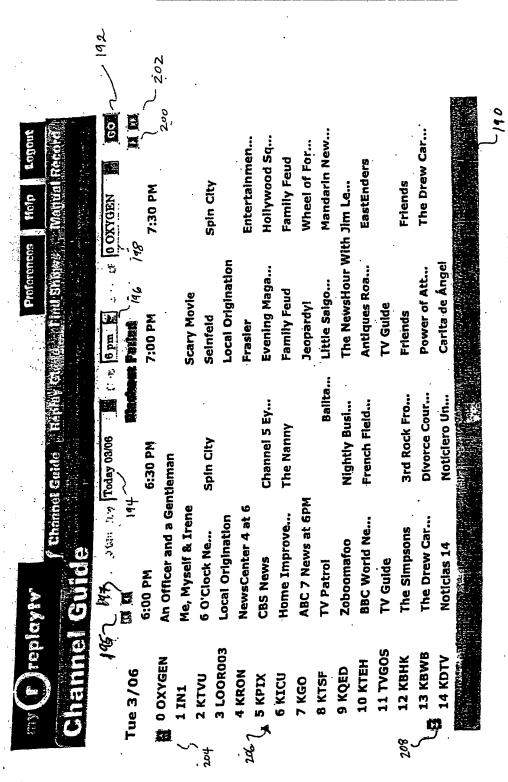


FIG. 11

Replay Control

Applicants: Millard E. Sweatt, III, et al.

Docket No.: 22407-05390 US



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F16 12

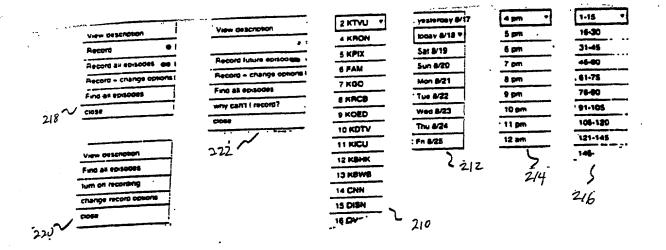
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Title: Method and System for Remote Television

Replay Control

Applicants: Millard E. Sweatt, III, et al.



FI G. 12B

Replay Control

Applicants: Millard E. Sweatt, III, et al.

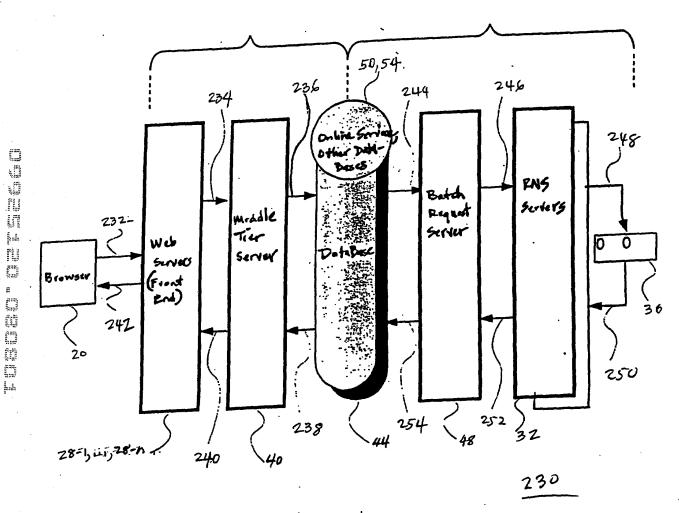


FIG. 13 A

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Replay Control
Applicants: Millard E. Sweatt, III, et al.
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SEQUENCE DIAGRAM

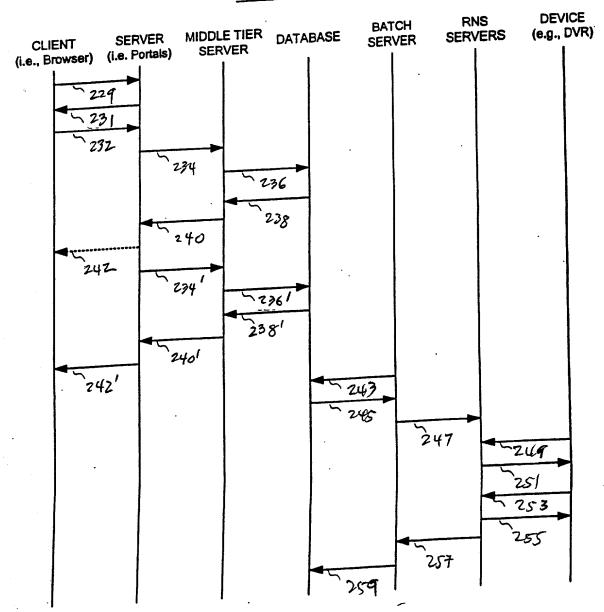


FIG. 13B

Title: Method and System for Remote Television Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

API Routine	Function
CreateAccount	Creates an account for a new user based on the information received
Login	Tries to authenticate a user based on the input username and password combination
GetProfile	Returns the profile of the user and his units based on his userid
AddRequest	Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s)
DeleteRequest ·	Delete a request from the user list of pending requests
GetReplayGuide	Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit
GetChannelLineUp	Returns the channel lineup of the unit based on the unit's settings
ChangePassword	Lets the user changes his password
SetEPG	Returns the current electronic program guide for the unit based on the settings of the unit
howGuide	Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters

Replay Control
Applicants: Millard E. Sweatt, III, et al.
Docket No.: 22407-05390 US

CreateAccount instrname, lastname, address, address, city, state, zipcode, ACC serial/number, login, password, creator and single, REC manual stropes, show, theme, update) AddRequest userid, unitid, requestid, funsic, device, starttmegmt, name, No duration/numbrutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earlystartminutes, showguarminutes, showguarminutes, quality, guaranteedrecord, caturation/numbrutes, quality, guaranteedrecord, caterid, unitid, requestit showd caterid, unitid, starttimegmt, duration/numbrutes, startchannel, channelcount, unitid, starttimegmt, duration/numbrutes, startchannel, channelcount, generid, unitid, starttimegmt, duration/numbrutes, startchannel, showGuide userid, unitid, starttimegmt, duration/numbrutes, count, fevelofdetali unerid, unitid, survey, start, count, fevelofdetali	
firstname, lastname, address1, address2, city, state, zlpcode, Ac serialnumber, login, password, creator login, password userid userid userid, unitid, reqtype(none, show, theme, update) reqtype=show; show/type(single, repeat, manual single, R manual repeat), headendid, firsid, device, starttimegrit, name, 'the durationinminutes, inputsource, quality, guaranteedrecord, S numepisodes, weekdayflags, earlystartminutes, showguarminutes readypa=theme; searchterm; searchflags, suzukild, durationinminutes, quality, guaranteedrecord, S showguarminutes, quality, guaranteedrecord, a storethoninminutes, quality, guaranteedrecord, a captioninminutes, quality, guaranteedrecord, a userid, unitid, requestid userid, unitid, requestid userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount, channelcount, query, start, count, levelofdetail userid, unitid, query, start, count, levelofdetail	
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userid, unitid, reqtype(none, show, theme, update) Instructioning repeat), headendid, tmsid, device, starttimegmt, name, "I durationinminutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earlystartminutes, showguarminutes Ishowguarminutes Indupaationinminutes, quality, guaranteedrecord Instructioninminutes, unitid Guide Inserid, unitid Inserid, unitid, starttimegmt, durationinminutes, startchannel, channelcount Inserid, unitid, query, start, count, levelofdetail "Note: advisory, desc. "Note: advisory, desc.	PROFILE,XML (USERINFO, UNITINFO-I)
userid, unitid, reqtype(none, show, theme, update) redtype=show; showtype(single, repeat, manual single, manual repeat), headendid, trisid, device, starttimegint, name, 't durationinminutes, inputsource, quality, guaranteedrecord, showguarminutes redtype=theme; searchferm, searchflags, suzukild, durationinminutes, quality, guaranteedrecord redtype=theme; searchferm, searchflags, suzukild, durationinminutes, quality, guaranteedrecord redtype=theme; valelity, guaranteedrecord redtype=theme), channelid, showld userid, unitid, requestid userid, unitid userid, unitid userid, unitid, starttimegmi, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, levelofdetail -*Note: misry kawards inclinds actor, advisory, desc,	
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durationinminutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earlystartminutes, showguarminutes fedtype=thame; searchterm, searchtflags, suzuklid, durationinminutes, quality, guaranteedrecord redtype=update; updatetype(deleteshow, preserveshow, deletechennel), channelid, showid userid, unitid, requestid userid, unitid userid, unitid userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, fevelofdeteif userid, unitid, query, start, count, fevelofdeteif userid, unitid, query, start, count, fevelofdeteif	headendid, tmsid, device, starttimegint, name, \'Note: REQUESTSTATUS Result:=(PENDING, SENT,
numepisodes, weekdayflags, earlystartminutes, showguarminutes showguarminutes redtypa=theme; searchterm, searchflags, suzukiid, durationinminutes, quality, guaranteedrecord redtypa=update; updatetype(deleteshow, preserveshow, deletechannel), channelid, showid userid, unitid, requestid userid, unitid userid, unitid userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, fevelofdetali userid, unitid, query, start, count, fevelofdetali *Note: giary kawards hocked actor, advisory, desc.	ity, guaranteedrecord, SUCCESS, GENERAL FAILURE, SCHEDULEFAILURE,
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userid, unitid userid, unitid userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, fevelofdetail "Noter analy kawards include actor, advisory, desc.	DELETERESULT.XML
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userid, unitid userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, fevelofdetaff "Note: niew kewwrds include actor, advisory, desc.	GUIDE.XML (REPLAYCHANNEL-I)
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userid, unitid userid, currentpassword, newpassword userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, levelotdetail 'Note: grant keywords inclinds actor, advisory, desc.	Note: REPLAYCHANNEL Type:=(SINGLE,
userid, unitid userid, currentpassword, newpassword userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, fevelotdetail 'Note: grant kaywords include actor, advisory, desc.	SINGELMANUAL, REPEAT, REPEATMANUAL, THEME,
userid, unitid userid, currentpassword, newpassword userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount userid, unitid, query, start, count, levelofdetali '*Note: miery kaywords include actor, advisory, desc,	THEMEEXACT, ZONE)
userid, currenuserid, unitid, channelcount userid, unitid,	CHANNELLINEUP.XML (CHANNEL-I)
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userid, unitid, channelcourt userid, unitid,	
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channelcount userid, unitid,	
userid, unitid	П
	levelofdetail XML file based on regulation of replication of the control of th

Replay Control

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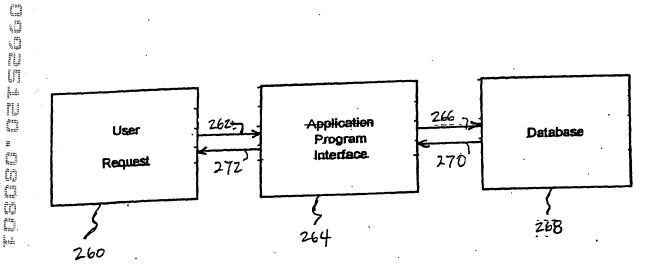
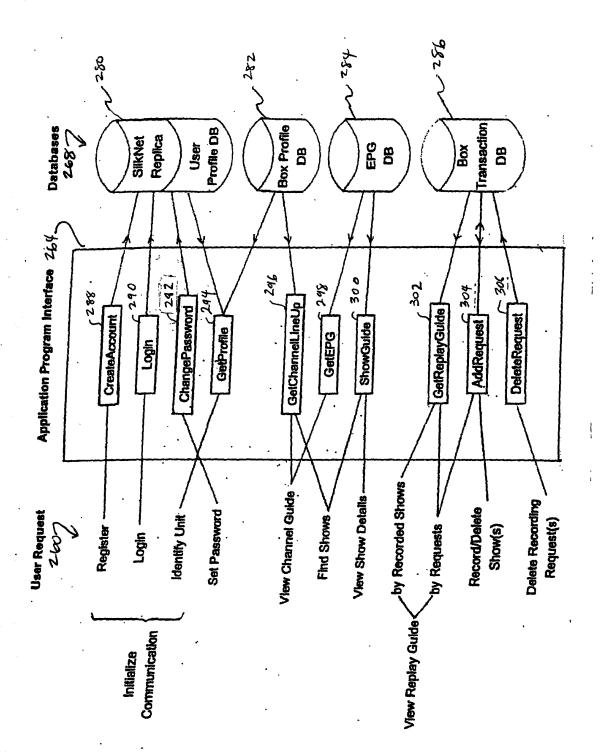


FIG. 16A

Replay Control

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Replay Control

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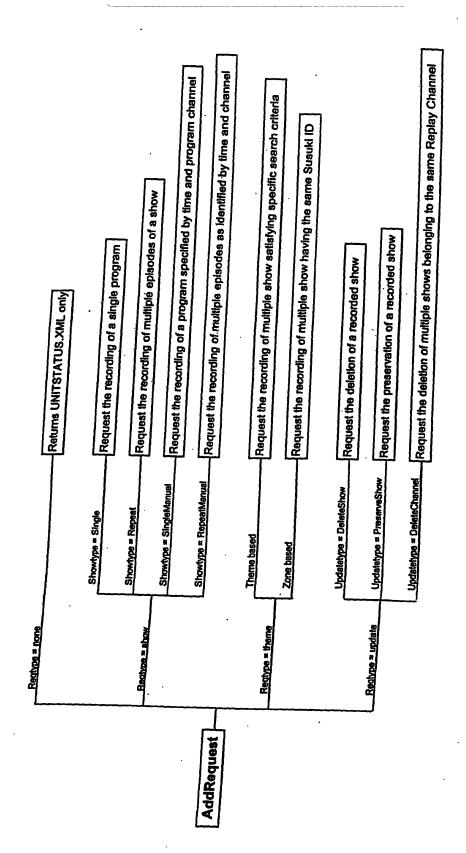


FIG.

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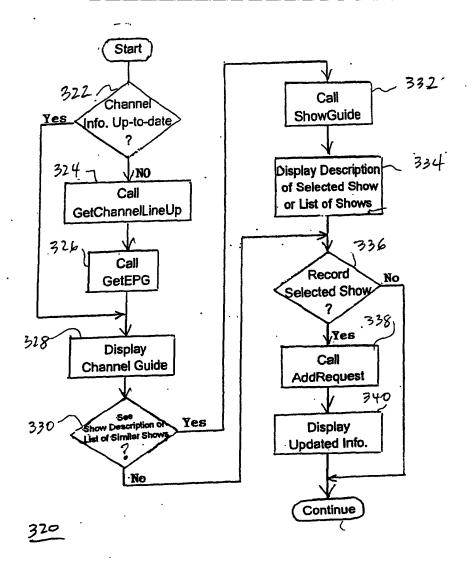


FIG. 18

Replay Control

Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

Request 02/18 Date Status continuously record the 1 most current rhu, Fri, Sat) on Channel 8(KTSF) at o from Channel 21(TBS) on Sun, 02/18 at Channel 42(USAP) on Tue, 01/16 at or around 9:00PM - 11:30PM. Guaranteed This single record Replay channel was from Channel 49(AMC) on Tue, 01/09 around 8:00PM - 9:00PM. Guaranteed This single record Repiay channel was scheduled to record Blown Away from occurring every (Sun, Mon, Tue, Wed, scheduled to record A Fistful of Dollars This single record Replay channel was scheduled to record Captain January at EXTENDED quality. Nothing else is This show-based Replay channel will Nothing else is scheduled to record Guaranteed at EXTENDED quality. Guaranteed at EXTENDED quality. Nothing else is scheduled to record. st or around 3:30AM - 5:00AM. episode(s) of Cantonese News ledeck dam pink gedit yedne cycacians sant westen ing theploy its naquada or around 7:00AM - 9:00AM. at EXTENDED quality. scheduled to record, Details A Fistful of Dollars Cantonese News Captain January Blown Away Channel

Replay Control

Applicants: Millard E. Sweatt, III, et al.

Docket No.: 22407-05390 US

play Shows | Replay Channels |

2.42% 11.30% 5,65% 8.07% 6,46% 6.46% 4.84% 8.07% 6.46% **Duration Size** (15m) (1h 55m) (1h 45m) (3h 30m) (2h 30m) (Zh) (1h 30m) (zh 30m) (2h) (2h) 42 USAP 49 AMC 37 TNTP 49.AMC Station 42 USAP 4 KRON **21 TBS** 49 AMC **21 TBS** 09/08 10:49AM 12/18 1:05PM 12/26 4:15AM 12/24 8:00AM 02/04 B:00PM 01/07 9:00PM 02/27 8:00PM 01/09 3:30AM 01/169:00PM 02/18 7:00AM Date/Time শিক্তাবিদ্যুত চাত্তে কর্মীয় দক্তকার্মীনগুরু কলেকা হৈচ দুক্তাক জিছ্মুত দুর্গু 😽 দার্গুও The Little Princess The Bridge on the River Kwai On Deadly Ground The Trouble With A Fistful of Dollars Captaín January Welcome to ReplayTV **Blown Away** Title/Episode Firewalker Piatoon Show L L Ŀ The Bridge on the River The Trouble With Harry Blown Away The Little Princess A Fistful of Dollars Firewalker On Deadly Channel Captain January Platoon Ground

FIG. 19 B

Replay Control

Applicants: Millard E. Sweatt, III, et al.

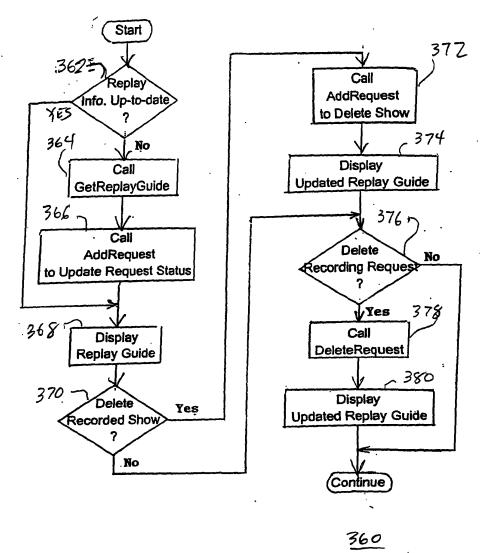
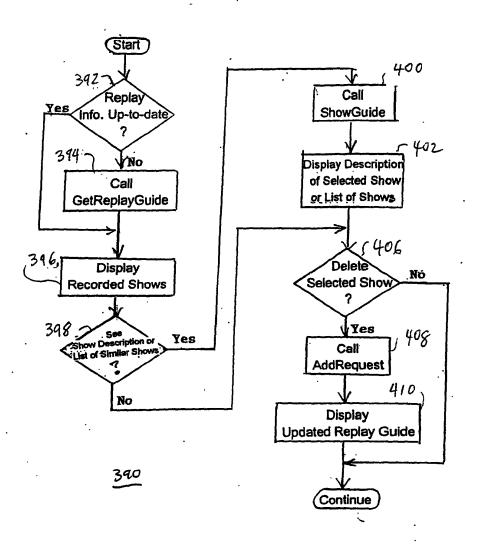


FIG. 20

Replay Control

Applicants: Millard E. Sweatt, III, et al.



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in these categories:

Show Titles

Title: Method and System for Remote Television

Replay Control

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Title: Method and System for Remote Television

Replay Control

Applicants: Millard E. Sweatt, III, et al.

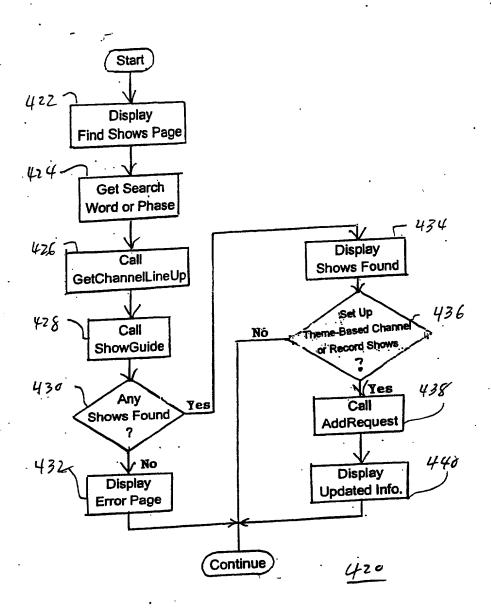


FIG. 23

Replay Control

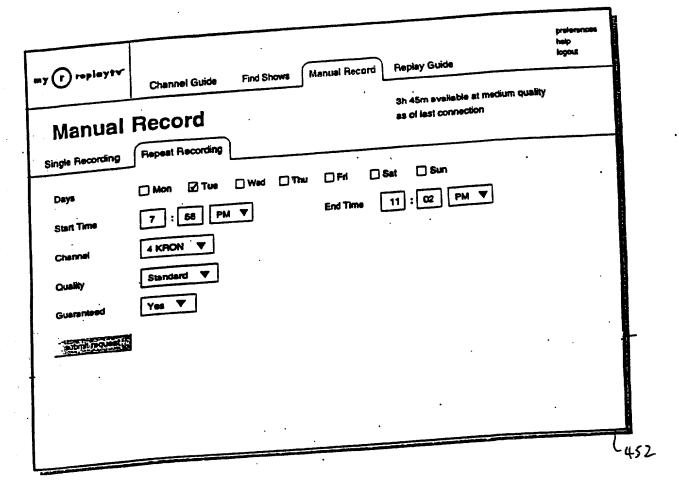
Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US

Recording duration: 0 OXYGEN Extended Yes Mar F Guaranteed Start Time Start Date **End Time** Channel Quality

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F1G, 24B

Replay Control

Applicants: Millard E. Sweatt, III, et al.

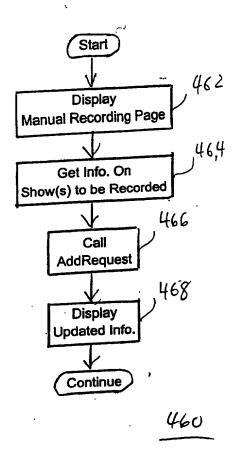


Fig. 25

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Title: Method and System for Remote Television

Replay Control

Applicants: Millard E. Sweatt, III, et al.

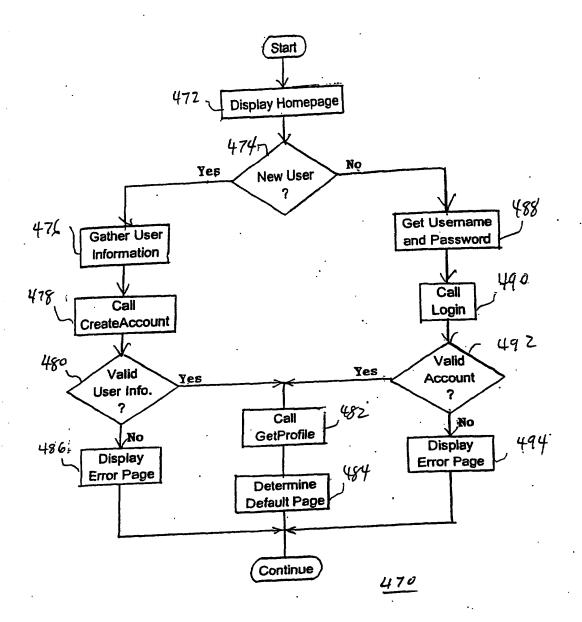


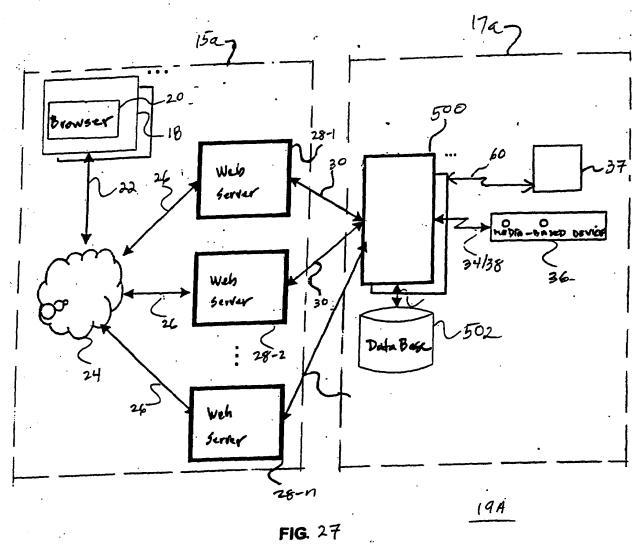
FIG. 26

Replay Control

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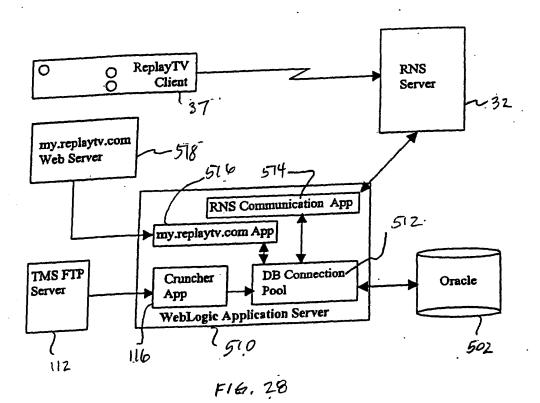
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Applicants: Millard E. Sweatt, III, et al.

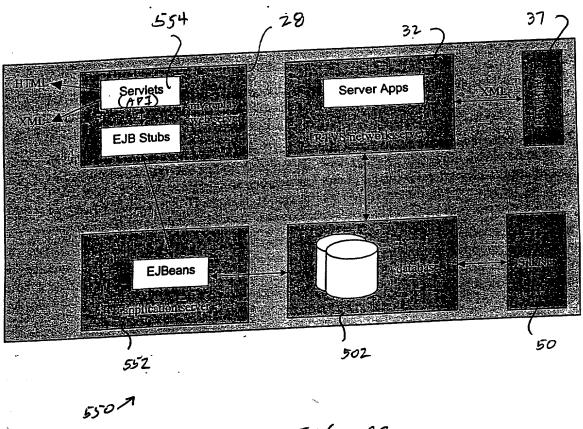


Replay Control

Applicants: Millard E. Sweatt, III, et al.



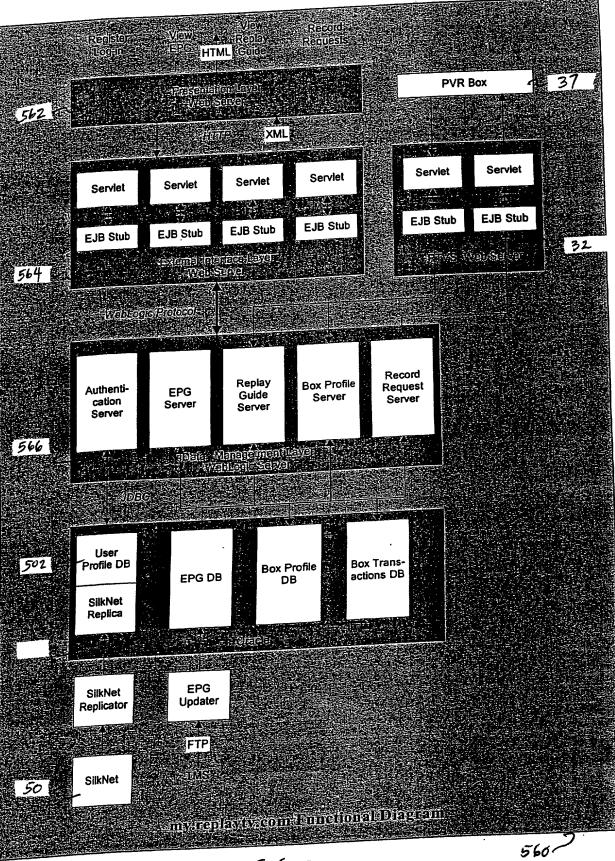
Title: Method and System for Remote Television Replay Control Applicants: Millard E. Sweatt, III, et al. Docket No.: 22407-05390 US



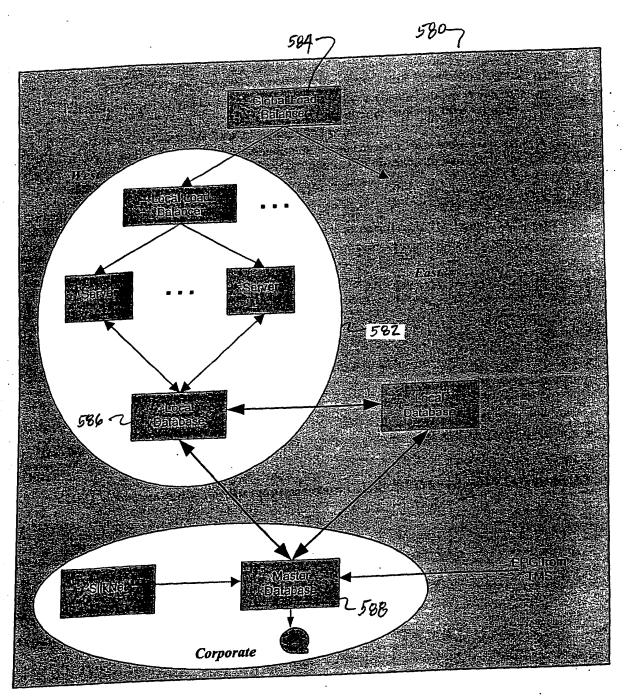
F19.29

Replay Control

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Replay Control
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Docket No.: 22407-05390 US



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